

Work Order ID 148530

Tuesday, July 05, 2016 11:32:10 AM

148530

Page 1

Item ID: 646.9502

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 7/19/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: DAS 21 Date: JUL 05 2016

Tooling:

Date:

Run Start ***NR1***QC: 9-89

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.9500	N/C								

JUL 08 2016**DAS
21
9-89****16-07-12**

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 646.9502

**DAS
27
9-89****JUL 11 2016**

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

**JUL 08 2016**

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.01

Quality Control

**DAS
27
9-89****JUL 11 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : _____											

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
				OTHER : ☐							

Picklist Print

Tuesday, July 05, 2016 11:32:13 AM

Page 1

Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
600.0990		Purchased	No			110	Each	20.0000	1	1			

600.0990

Magnabond 6398 Part A Size 112 ml

Location

Loc Qty

Loc Code

CA002

7

M134167

7

CA2

12

M134249

12

PKG

1

M135135

1

600.0991

Purchased

No

110

Each

20.0000

1

1

600.0991

MAGNOBOND 6398 PART B Size 112 ml

Location

Loc Qty

Loc Code

CA002

7

m134167

7

CA2

12

m134249

12

PKG

1

m135135

1

DAS

27

9-89

JUL 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____ Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 148530

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Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012

Purchased No

110

Each

21.0000

1 1

600 1012

Sealant PR1425B2 (#654 sem)

**

PC 9-89

Location

Loc Qty

Loc Code

cck017

20

m134249

2

m134634

10

m135135

8

cck018

1

m131364

1

10/30/2015

110

Each

2.0000

1 1

646.9601

Manufactured No

646 9601

Upper Cutter Assembly

**

PC 9-89

Location

Loc Qty

Loc Code

cck039

2

128183

2

110

Each

1.0000

1 1

646.9603

Manufactured No

646 9603

Lower Cutter Assy Low

**

PC 9-89

Location

Loc Qty

Loc Code

CCK036

1

142623

1

110

Each

4.0000

1 1

646.9810

Manufactured No

646 9810

Deflector

**

PC 9-89

Location

Loc Qty

Loc Code

CCK031

4

140775

4

JUL 08 2016

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Picklist Print

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Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

646.9910

Manufactured No

110

Each

35.0000

4 4

646 9910

Struts

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK014

35

142643

25

93189

10

647.0110

Manufactured No

110

Each

0.0000

1 1

647 0110

Roof Doubler

**

PC B146287

647.0111

Manufactured No

110

Each

5.0000

1 1

647 0111

Panel

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK088

5

126233

5

647.0112

Manufactured No

110

Each

62.0000

8 8

647 0112

Strut Bracket

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

4

140968

4

CCK108A

58

142661

58

647.0113

Manufactured No

110

Each

27.0000

2 2

647 0113

Strut Doubler

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK089

27

142256

27

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Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Picklist Print

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Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

647.0114 Manufactured No

110 Each

66.0000

1 1

647 0114

Clip

**

PC 9-89

Location

Loc Qty

Loc Code

CCK107

66

106616

66

647.0115 Manufactured No

110 Each

61.0000

1 1

647 0115

Clip

**

PC 9-89

Location

Loc Qty

Loc Code

cc107

61

106617

61

647.0116 Manufactured No

110 Each

19.0000

2 2

647 0116

Doubler

**

PC 9-89

Location

Loc Qty

Loc Code

CCK107

19

126234

19

647.0210 Manufactured No

110 Each

9.0000

1 1

647 0210

Rail

**

PC 9-89

Location

Loc Qty

Loc Code

CCK089

9

91440

9

DAS
27
9-89

JUL 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
				OTHER : ☐					

Picklist Print

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Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

647.0310

Manufactured No

110

Each

25.0000

2

2

647.0310

Channel

**

PL 6 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK090

25

116955

1

122989

2

141025

6

144607

16

2

647.0410

Manufactured No

110

Each

9.0000

1

1

647.0410

Tube

**

PL 6 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

9

138413

4

145498

5

1

647.1210

Manufactured No

110

Each

16.0000

1

1

647.1210

Screen

**

PL 6 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK107

16

138299

4

142727

12

1

JUL 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-10A
AN3-10A
Bolt

Purchased No

110 Each 283.0000 8 8

**

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	2	
m132763	1	
m134573	1	
over003	100	
m134943	100	
ST349	181	
m134249	56	
m134754	25	
m135135	100	

DAS
27
9-89

AN3-11A
AN3-11A
Bolt

Purchased No

110 Each 133.0000 8 8

**

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
over003	100	
m134852	100	
ST349	33	
m134167	33	

DAS
27
9-89

AN3-3A
AN3-3A
Bolt

Purchased No

110 Each 177.0000 1 1

**

PC

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	177	
m134738	25	
m134848	16	
m134962	36	
m135046	100	

DAS
27
9-89

JUL 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

AN743-13 Purchased No

110 Each

31.0000

**

1

AN743-13

Bracket DAS
27
9-89

Location

Loc Qty

Loc Code

ST330

31

M129732

31

110 Each

427.0000

**

12

CCR264SS3-04

Purchased

No

CCR264SS3-04

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

427

123785

400

m129702

27

110 Each

81.0000

**

8

CCR264SS-3-06

Purchased

No

CCR264SS-3-06

Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

81

m133988

81

110 Each

0.0000

**

4

CCR264SS3-2

CCR264SS3-02

Purchased

No

CCR264SS3-2

Rivet, Cherry

CR3212-4-4 9-89

CR3212-4-04

Purchased

No

CR3212-4-4

CHERRY RIVET

DAS
27
9-89

110 Each

0.0000

**

1

JUL 0 8 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
				OTHER : ☐			

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Page 8

Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-5-4

Purchased

No

110

Each

196.0000

8

8

CR3212-5-4

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

196

m133709

196

110

Each

215.0000

26

26

CR3213-4-05

Purchased

No

CR3213-4-05

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

m135056

100

CCK005

100

m135135

100

ST319

15

m134852

15

CR3213-4-1

Purchased

No

CR3213-4-1

Cherry Rivet

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

132

m131340

8

m133577

24

m134370

100

110

Each

132.0000

14

14

JUL 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2

Purchased No

110

Each

279.0000

18

18

CR3213-4-2

Cherry Rivet

DAS

27

9-89

Location

CCK003

m134058

ST320

123301

Loc Qty

100

100

179

179

Loc Code

**

PC

CR3213-4-3

Purchased No

110

Each

244.0000

18

18

CR3213-4-3

Rivet, Cherry

DAS

27

9-89

Location

CCK003

m135135

ST319

m131340

Loc Qty

100

100

144

144

Loc Code

**

PC

CR3213-4-4

Purchased No

110

Each

177.0000

19

19

CR3213-4-4

Rivet, Cherry

DAS

27

9-89

Location

ST319

M130388

M134962

Loc Qty

177

35

142

Loc Code

**

PC

CR3213-4-6

Purchased No

110

Each

266.0000

20

20

CR3213-4-6

Rivet

DAS

27

9-89

Location

ST319

M131800

Loc Qty

266

266

Loc Code

**

PC

JUL 08 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

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Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042-08 MS21042L08 Purchased No

110

Each

33.0000

54

54

MS21042-08

USE MS21042L08

**

134654

DAS

27

9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

MS21042-3 MS21042L3 Purchased No

110

Each

0.0000

17

17

MS21042-3

Nut / use MS21042L3

**

134943

MS21047-3 9-89

Purchased No

110

Each

133.0000

6

6

MS21047-3

Nut Plate

**

DAS

27

9-89

Location

Loc Qty

Loc Code

over005

100

m134955

100

ST301

33

m134166

23

m134676

10

MS21059-3 Purchased No

110

Each

523.0000

2

2

MS21059-3

Nut Plate

**

DAS

27

9-89

Location

Loc Qty

Loc Code

CA

6

123301

6

ST301

517

123023

50

123900

467

JUL 08 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

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Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS21059L08

Purchased

No

110

Each

197.0000

4

4

MS21059L08

Nut

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

ST300

197

m134634

97

m134943

100

14

MS24694-S8

Purchased

No

110

Each

117.0000

5

5

MS24694-S8

Screw

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

ST285

117

M129909

17

M134654

100

5

MS27039-08-06

Purchased

No

110

Each

102.0000

4

4

MS27039-08-06

Screw

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

102

m126249

102

4

MS27039-08-09

Purchased

No

110

Each

32.0000

4

4

MS27039-08-09

Screw

**

PC

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

32

m131317

32

4

JUL 08 2016

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																				
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OTHER :																																																																							

Picklist Print

Page 12

Tuesday, July 05, 2016 11:32:14 AM

Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

446.0000

43

43

MS27039-08-11

SCREW

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

300

m134676

300

ST278

146

m133769

146

**

PC

MS27039-08-12

Purchased

No

110

Each

113.0000

2

2

MS27039-08-12

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

113

123352

13

124326

100

**

PC

DAS
06
9-89

MS27039-08-13

Purchased

No

110

Each

198.0000

6

6

MS27039-08-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST278

198

124326

198

**

PC

DAS
06
9-89

JUL 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, July 05, 2016 11:32:14 AM

Page 13

Work Order ID: 148530

148530

Parent Item: 646.9502

646.9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-08

Purchased

No

110

Each

460.0000

5

MS27039-1-08

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

73

m128636

73

GA

73

125654

2

m128636

71

ST281

314

m134502

14

m134762

300

MS27039-1-11

Purchased

No

110

Each

155.0000

5

MS27039-1-11

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

20

125654

13

9662

7

over006

50

m134738

50

ST280

85

124326

85

MS35842-11

Purchased

No

110

Each

25.0000

1

MS35842-11

Hose Clamp

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK007

20

m134943

20

ST269

5

m134039

5

JUL 08 2016

Tuesday, July 05, 2016 11:32:14 AM

Shop Packet Print

Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
				OTHER : ☐					

Picklist Print

Tuesday, July 05, 2016 11:32:14 AM

Page 14

Work Order ID: 148530

148530

Parent Item: 646.9502

646 9502

Parent Item Name: 206A / B / L Cable Cutter System, Low

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

2,818.000

62

62

NAS1149F0332P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2506

m134257

37

m134676

469

m135058

2000

**

62

PC

NAS1149FN832P

Purchased

No

110

Each

3,224.000

111

111

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

361

M133316

16

M133769

345

ST260a

2800

M134257

1200

M135058

1600

ST263

63

M133709

63

**

111

PC

NAS1835-08

Purchased

No

110

Each

48.0000

4

4

NAS1835-08

Insert

DAS
27
9-89

Location

Loc Qty

Loc Code

st549

48

m129913

24

m135127

24

**

4

PC

JUL 08 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
QC / QA Coordinator Approval									

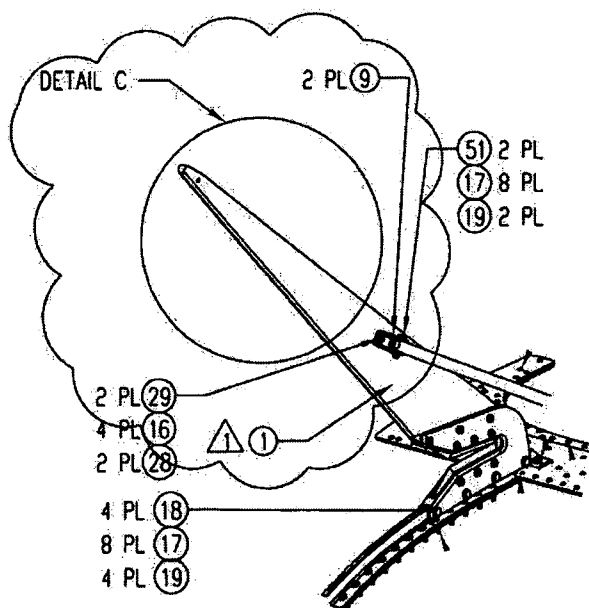
Root Cause				FAULT CATEGORY						
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐	Power Loss/Surge ☐	☐	Positioned Wrong ☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐	Folio/Program ☐	☐	Outside Dimensions ☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐	Grain ☐	☐	Over/Under tolerance ☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐	Weld ☐	☐	Part Incorrect ☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐	Wrong Stock Pulled ☐	☐	Part Lost/Missing ☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐	Out of Sequence ☐	☐	Part Moved ☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐	Off-set ☐	☐	Drawing ☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐	Mislabeled ☐	☐	Finish ☐
LQA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐	Fit/Function ☐	☐	Misread ☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐	Misaligned/off center ☐	☐	Turning Sequence ☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER : _____						
Misidentified ☐	☐	Past Due ☐	☐							

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03047				SHEET 1 OF 1	
	DWG NO. 646.9500	REV: NC	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY: ENGR. <i>[Signature]</i>		MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS. ADDED NOTE <u>2</u> .				

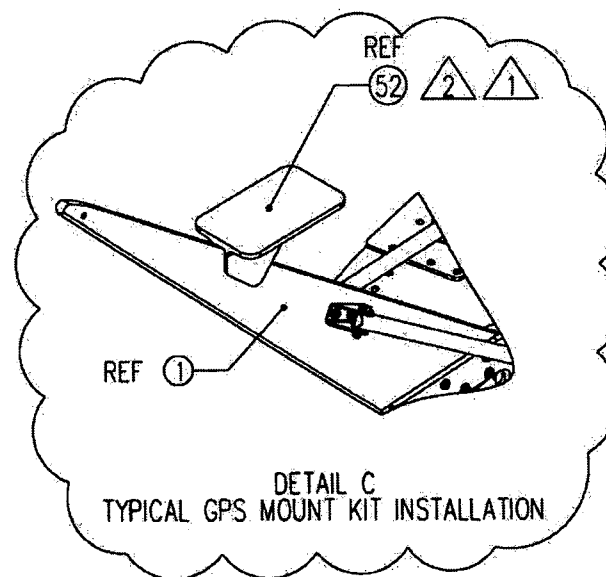
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:



SHEET 2, ZONE B2 IS:



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

148530
1607-05

52	A	647.5701	REF	REF	GPS MOUNT KIT	<u>2</u>	
F/N	TC	PART NUMBER	.9502	.9501	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY				
DOCUMENTS EFFECTED:						CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM						☐ MAJOR ☒ MINOR	☐ YES ☒ NO

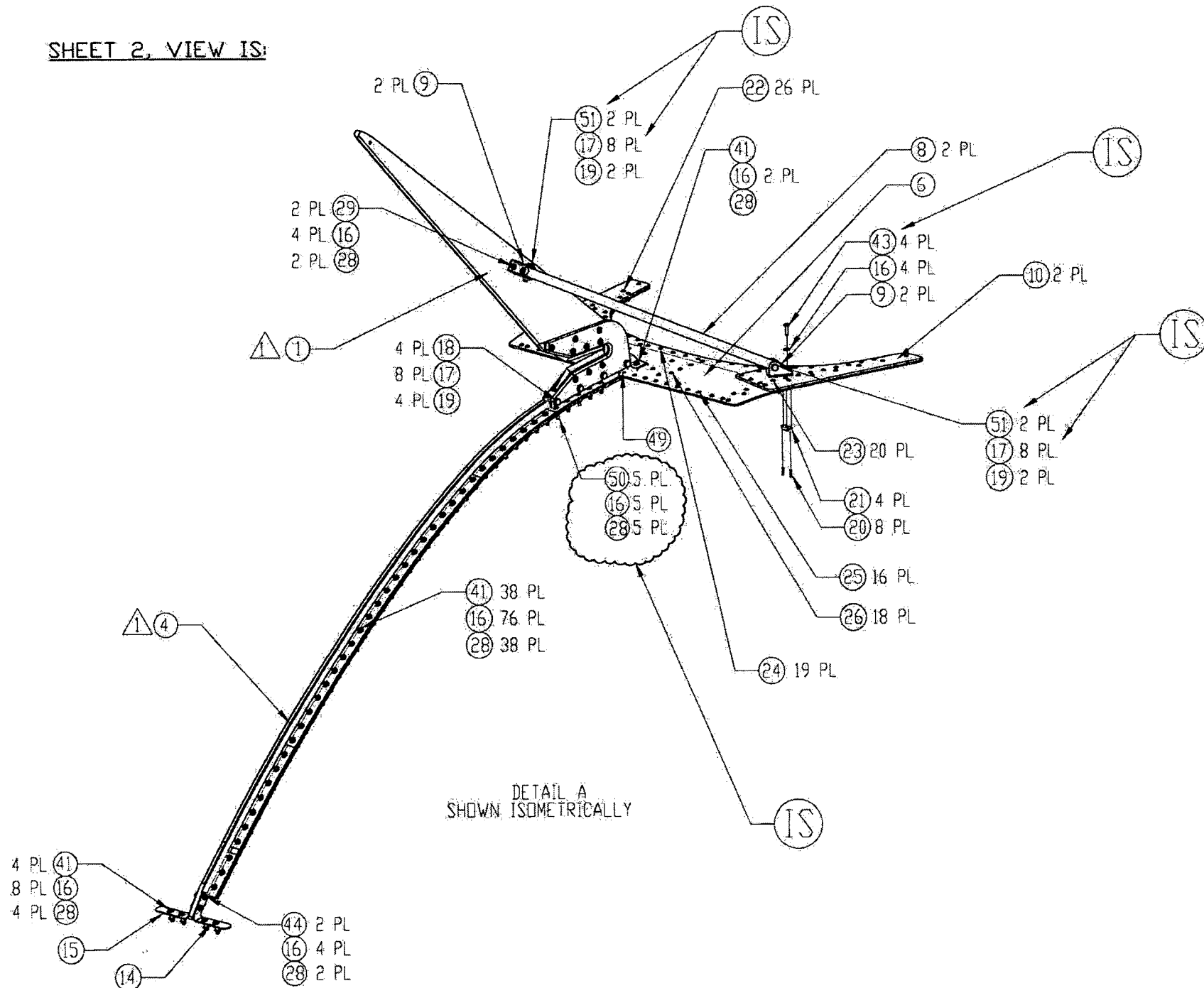
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO

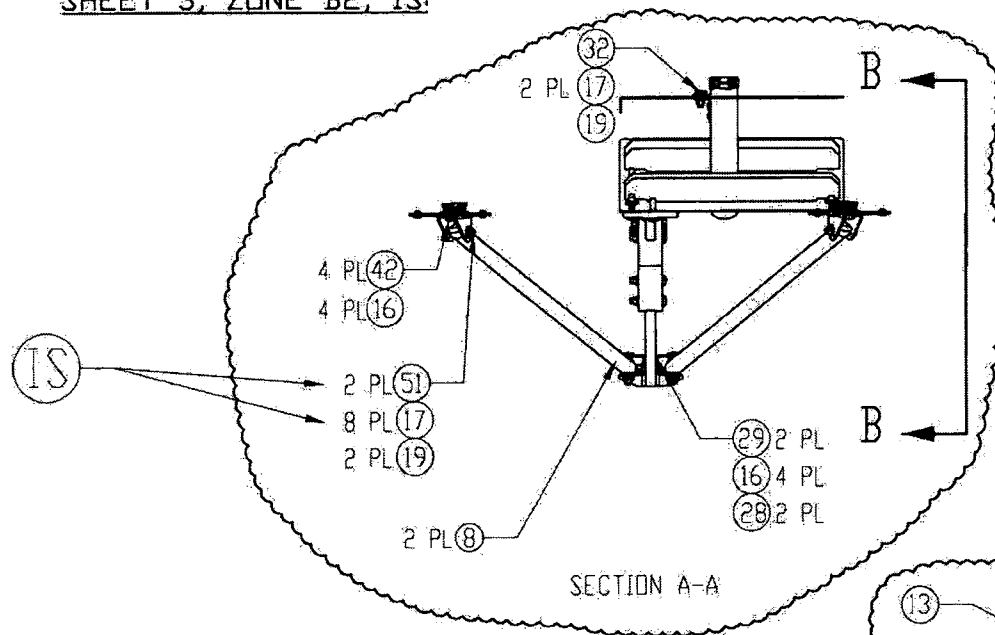
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	
	EFFECT ON DWG ☐ INC. ☒ UNINC.					
	DWG TITLE: 206 CABLE CUTTERS KIT					
APPROVED BY:		ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

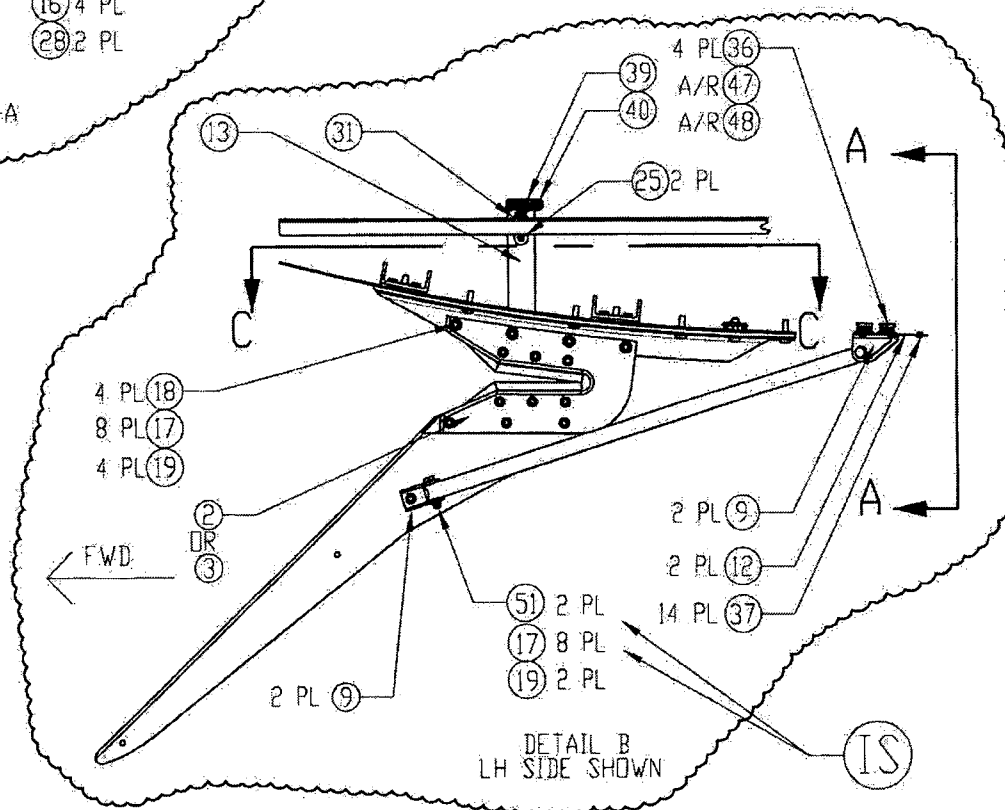
SHEET 2, VIEW IS:



SHEET 3, ZONE B2, IS:



SHEET 3, ZONE D2, IS:



QTY		PARTS LIST	
NEXT ASSY (S)		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
ORIGINAL DATE D. POSADY DRAWN BY P. POSADY APPROVAL DATE COMMENTS		CHECKED D. BAUER DATE 10/2/88 206 CALE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONS: .0005 2. DECIMALS: .0005 3. FRACTIONS: .0005		SEE CAGE CODE B. 07M26 SCALE NONE DWG NO. 646.9500 SHEET 1 OF 3	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

DETAIL A
SHOWN ISOMETRICALLY

206 CABLE CUTTERS KIT

PROJECT: DATE	20-03-07	REV: 0
DRAWN BY: J. BARRY	CHECKED: J. BARRY	REV: N/C
DESIGNED BY: J. BARRY	APPROVED BY: J. BARRY	SCALE: NONE
CONTRACT NO.		SHEET: 2 OF 3

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS ARE TO BE IN 16THS OF AN INCH
DECIMALS ARE TO BE IN 100THS OF AN INCH
TOLERANCES ARE:
FRACTIONS: ±.01
DECIMALS: ±.005
ANGLES: ±.5°

DATE: 07/26/26
DWG. NO.: 646.9500
SCALE: NONE
SHEET: 2 OF 3

DETAIL A
SHOWN ISOMETRICALLY

ORIGINAL DATE 11/04/24/1971 DRAWN BY P. POHIO CHECKED BY P. BARNER DRAWING APPROVAL P. BARNER CONTRACT NO.	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760) 724-5300 206 CABLE CUTTERS KIT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONS DECIMALS 2. PLACE DECIMALS 1/1000 3. ANGLES 1/16	SIZE 1/2" CABLE COMP. DYWIDAG, INC. 07/126 646.9500 SCALE NONE SHEET 2 OF 3

REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

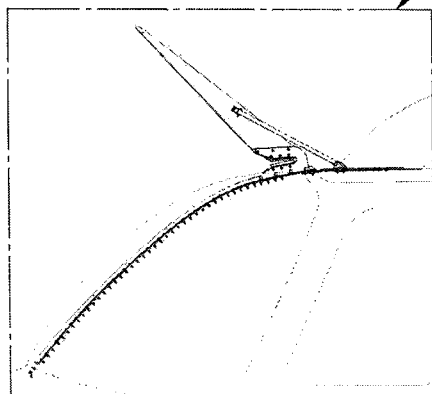
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

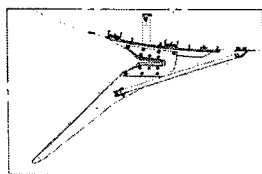
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066	RIVET	CR3213-4-4
1	1	48	600.0991	MAGNOBOND 6378 PART B	
1	1	47	600.0990	MAGNOBOND 6378 PART A	
1	1	46	600.1012	SEALANT	PP-1425 CLASS E
5	5	45	601.1949	SCREW	MS27039-0812
2	2	44	601.2989	SCREW	MS27039-0812
4	4	43	601.2987	SCREW	MS27039-0809
4	4	42	601.3000	SCREW	MS27039-0809

REV	DATE	DESCRIPTION	DATE	APPROVED
1	01/03/07	INITIAL RELEASE		11C
2	01/03/07	INITIAL RELEASE		F. SPAYO

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
47	47	41	601.2893	SCREW	MS27039-0811
10	10	40	601.2982	HOSE CLAMP	MS35842-11
1	1	39	647.1210	SCREEN	
5	5	38	601.1621	SCREW	MS27039-1-08
14	14	37	601.2979	RIVET	CR3213-4-1
4	4	36	601.2984	INSERT	MS1835-08
4	4	35	601.2277	RIVET	CR2213-4-02
8	8	34	601.2983	RIVET	CR3212-5-4
12	12	33	601.2980	NUTPLATE RIVET	CR3213-3-04
1	1	32	601.2822	BOLT	AN3-3A
1	1	31	601.2985	BRACKET	AN4743-13
2	2	30	601.1900	NUTPLATE	MS21039-3
6	6	29	601.2988	SCREW	MS27039-0913
53	53	28	601.2973	LOCKNUT	MS21042-08
6	6	27	600.0795	NUTPLATE	MS21047-3
18	18	26	601.0790	RIVET	CR3213-4-3
18	18	25	601.1039	RIVET	CR3213-4-2
19	19	24	601.1915	RIVET	CR3213-4-4
20	20	23	601.2991	RIVET	CR3213-4-6
26	26	22	601.1183	RIVET	CR3213-4-5
4	4	21	601.2356	NUTPLATE	MS21059L08
8	8	20	601.2981	NUTPLATE RIVET	CR3213-3-04
17	17	19	601.2943	LOCKNUT	MS21042-8
16	16	18	601.2826	BOLT	AN3-11A
46	46	17	601.1607	WASHER	114511474320P
114	114	16	601.2764	WASHER	114511474320P
1	1	15	647.0115	CLIP	
1	1	14	647.0114	CLIP	
1	1	13	647.0410	TUBE	
2	2	12	647.0116	DOUBLER	
1	1	11	647.0111	PANEL	
2	2	10	647.0113	STRUT DOUBLER	
8	8	9	647.0112	STRUT BRACKET	
4	4	8	646.9910	STRUT	
2	2	7	647.0310	CHANNEL	
1	1	6	647.0110	ROOF DOUBLER	
1	1	5	647.0210	RAIL	
1	1	4	646.9810	DEFLECTOR	
1	1	3	646.9603	LOWER CUTTER ASSY LOW	
1	1	2	646.9602	LOWER CUTTER ASSY HIGH	
1	1	1	646.9601	UPPER CUTTER ASSY	
1	1	1	646.9502	206 CABLE CUTTERS KIT LOW	
1	1	1	646.9501	206 CABLE CUTTERS KIT HIGH	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA 92056-3512 (760) 724-5300

206 CABLE CUTTERS KIT

REV: 07/12/06
SCALE: NONE
SHEET: 1 OF 3

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729		SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09
	EFFECT ON DWG ☐ INC. ☒ UNINC.			
DWG TITLE: 206 CABLE CUTTERS KIT				
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL		

REFERENCE ONLY

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P 7
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
						DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736				SHEET 1 OF 1	
	DWG NO. 646.9500		REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC. <i>[Signature]</i>	EFF:	CURRENT ORDER
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS				

REFERENCE ONLY

17	R	601:1607	62	62	WASHER	NAS1149F0332P
16	R	601:2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL/SPECIFICATION	
DOCUMENTS EFFECTED:						CHANGE CATEGORY ☐ MAJOR ☒ MINOR
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						DER REVIEW REQUIRED ☐ YES ☒ NO